TRANSLATION PATENT COOPERATION TREATY POT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 04R00839		FOR FURTHER ACTION		See Form PCT/IPEA/416				
International a	pplication No.		International filing da	te (day/month/year)	Priority date (day/month/year)			
PCT/JP2004/019573			27.12.200	4	16.01.2004			
International I	Patent Classification	(IPC) or nation	 onal classification and l	PC				
G09G5/00, G09G5/22, G06F3/16, G10L13/00								
	3333, 33, 3333, 22, 3333, 32323, 33							
Applicant								
SHARP KABUSHIKI KAISHA								
	 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 							
2. This	REPORT consists of	of a total of	6	sheets, including	g this cover sheet.			
3. This	report is also accon	npanied by Al	NNEXES, comprising:					
a.	\sum (sent to the a	pplicant and	to the International Bu	reau) a total of 3	sheets, as follows:			
					amended and are the basis for this report and/			
	Instruct		ctifications authorized t	by this Authority (see Ri	ule 70.16 and Section 607 of the Administration	ve		
	sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental							
, ,	Box.							
b.	(sent to the I	nternational I	Bureau only) a total of (indicate type and number	er of electronic carrier(s))			
		:	dable famos aulu a	- :- d:+ - d : 4b - C1	, containing a sequence listing and/or table			
			rative Instructions).	s indicated in the Supple	emental Box Relating to Sequence Listing (se	:е		
4. This	report contains indi	cations relati	ng to the following item	ns:				
	Box No. I	Basis of the	report					
	Box No. II	Priority						
	Box No. III	Non-establis	shment of opinion with	regard to novelty, inven	tive step and industrial applicability			
	Box No. IV	Lack of unit	y of invention					
	Box No. V		atement under Article 3 d explanations supportin		elty, inventive step or industrial applicability;			
	Box No. VI	Certain docu	uments cited					
	Box No. VII	Certain defe	ects in the international	application				
	Box No. VIII	Certain obse	ervations on the interna	tional application				
Date of submission of the demand Date of completion of this report			nis report					
				-				
Name and mailing address of the IPEA/JP				Authorized officer				
Faccimile No.		Talanhana Na						

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/019573

Вох	No. I		Basis of the report					
1.			o the language, this report is based on the internation er this item.	nal application in the language in which	it was filed, unless otherwise			
			port is based on translations from the original langua s the language of a translation furnished for the purp		,			
		in in	ternational search (Rule 12.3 and 23.1(b))					
		<u></u> ри	ublication of the international application (Rule 12.4)				
		in	ternational preliminary examination (Rule 55.2 and/	for 55.3)				
2.	With regard to the elements of the international application, this report is based on (replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report):							
		the inter	rnational application as originally filed/furnished					
	\boxtimes	the desc	cription:					
		pages	1–25		as originally filed/furnished			
		pages*						
		pages*						
	\square				_			
		the clair	ms: 2-5,7-10,12-14					
		nos.			as originally filed/furnished			
		nos.* _		as amended (together with				
		nos.*		received by this Authority on				
		nos.*		received by this Authority on				
	\boxtimes	the draw	vings:					
		sheets	fig. 1-9		as originally filed/furnished			
		sheets*		received by this Authority on				
		sheets*		received by this Authority on				
		a seque	nce listing and/or any related table(s) – see Supplem	ental Box Relating to Sequence Listing.				
3.		The amo	endments have resulted in the cancellation of:					
		☐ th	ne description, pages					
		L th	e claims, nos.					
		L th	ne drawings, sheets/figs					
		☐ th	ne sequence listing (specify):					
		an	ny table(s) related to sequence listing (specify):					
4.			port has been established as if (some of) the amend we been considered to go beyond the disclosure as fil					
		th	ne description, pages					
			e claims, nos.					
			ne drawings, sheets/figs					
*	If ite	m 4 appli	ies, some or all of those sheets may be marked "supe	erseded."				

International application No.
PCT/JP2004/019573

Вох		nt under Article 35(2) with regard to novelty, inventive step or industrial applicability; nations supporting such statement	
1.	Statement		
	Novelty (N)	Claims 1-14	YES
		Claims	NO
	Inventive step (IS)	Claims	YES
		Claims 1-14	
	Industrial applicability (IA)		
	, ()	Claims 1-14 Claims	
2.	Citations and explanations (Rule	70.7)	
	Document 1: JP	11-331407 A (NEC Shizuoka, Ltd.), 30	
	No	ovember 1999, paragraphs [0033] to [0039]	
	aı	nd fig. 1	
	Document 2: JP	5-100645 A (Hitachi, Ltd.), 23 April	
	19	993, claim 6; paragraphs [0006], [0008]	
	aı	nd [0010]; and fig. 1 and 3	
	Document 3: JP	9-51511 A (Mitsubishi Electric Corp.), 18	
	F€	ebruary 1997, paragraphs [0016] to [0053]	
	aı	nd fig. 1 to 9	
	Document 4: JP	2000-187470 A (Sharp Corp.), 04 July	
	20	000, abstract; paragraphs [0023] to	
	[(0036]; and fig. 1 to 3	
	Document 5: JP	2003-108079 A (Sharp Corp.), 11 April	
	20	003, paragraphs [0001] and [0027] to	
	[]	0054], and fig. 1 and 2	
	Document 6: JP	2003-244784 A (Sharp Corp.), 29 August	
	20	003, paragraphs [0048] to [0050], [0055]	
	to	o [0059] and [0064] to [0067]; and fig. 16	
	to	o 20, 24 and 25 & WO 03/69950 A1 & AU	
	20	003/211934 A1 & EP 1475988 A1	
	Document 7: JP	2003-78117 A (Canon Inc.), 14 March 2003,	
	eı	ntire text, all drawings	
	Document 8: JP	2003-282885 A (Sharp Corp.), 03 October	

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

2003, entire text, all drawings & US 2003/183876 A1 & FR 2837980 A1 & CN 1450649

A & KR 03/77410 A

Document 9: JP 10-333667 A (NEC Shizuoka Ltd.), 18

December 1998

Document 10: JP 2001-125559 A (NEC Corp.), 11 May 2001

Document 11: JP 11-352950 A (Toshiba Corp.), 24 December 1999

The inventions set forth in claims 1 and 13 do not involve an inventive step in the light of documents 1 to 3, 9 and 10 cited in the international search report. Character code input units for receiving character code inputs from an external device are well known, as disclosed in documents 9 and 10, and thus it would have been easy for a person skilled in the art to conceive of employing such a character code input unit as the character code input unit in the inventions disclosed in documents 1 to 3.

The invention set forth in claim 2 does not involve an inventive step in the light of documents 2, 9 and 10. Document 2 indicates that the "image information that is input from the image input unit and the text information that is input from the handwriting input unit are superposed for display" (paragraph [0012] and fig. 6).

The invention set forth in claim 3 does not involve an inventive step in the light of documents 2, 9 and 10 in combination with documents 4 and 5, which are cited in the international search report. It would have been easy for a person skilled in the art to conceive of applying either of the well-known techniques that are disclosed in documents 4 and 5 as the method for superposing the sets

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

of information for display in the invention disclosed in document 2.

The inventions set forth in claims 4, 5 and 7 do not involve an inventive step in the light of documents 1 to 3, 9 and 10 in combination with document 6, which is cited in the international search report. It would have been easy for a person skilled in the art to conceive of employing the configuration that is disclosed in document 6 as the configuration of the display unit in the inventions disclosed in documents 1 to 3.

The invention set forth in claim 6 does not involve an inventive step in the light of documents 1 and 2 in combination with document 11, which is cited in the international search report. Document 1 discloses a method for inputting character signals, wherein the character signals are input by means of "hand-written inputs to a touch panel." Such being the case, the invention disclosed in document 1 is considered to include a section for subjecting the image signals from the touch panel to a character recognition process in order to output character signals. Meanwhile, the invention disclosed in document 2 is equipped with both an image signal input unit and a character recognition unit. Furthermore, the technical feature of "providing an image signal input unit, which receives the image signal inputs from an external device, and a character recognition unit, which extracts the characters that are included within said image signals, recognizes said characters and then converts said characters to corresponding character codes," is well known in the technical field pertaining to "information display devices," as disclosed in document 11 for example.

PCT/JP2004/019573

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Consequently, it would have been easy for a person skilled in the art to configure the invention set forth in claim 6 by applying the abovementioned well-known image signal input unit and the abovementioned well-known technique for extracting character information in the configurations disclosed in documents 1 and 2.

The inventions set forth in claims 8 to 11 and 14 do not involve an inventive step in the light of documents 1, 2, 6 and 11. The features set forth in claims 8 to 11 and 14 are all disclosed in document 6.

The invention set forth in claim 12 does not involve an inventive step in the light of documents 1 to 3 and 6 to 11. It would have been easy for a person skilled in the art to conceive of employing either of the well-known techniques that are disclosed in documents 7 and 8 as the method for attaching a functional element to the thin film substrate in the inventions disclosed in documents 1 to 3.